

**APC/Cy7 anti-human IL-17A**

**Catalog # / Size:** 3161600 / 100 tests  
3161595 / 25 tests

**Clone:** BL168

**Isotype:** Mouse IgG1, κ

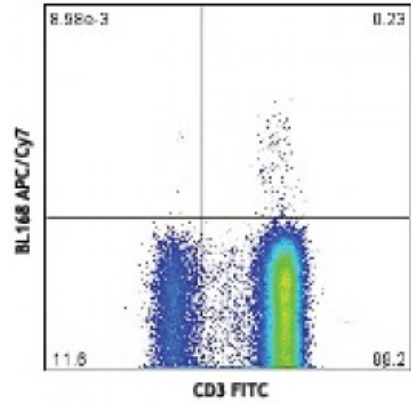
**Immunogen:** Recombinant full length human IL-17A

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC/Cy7 under optimal conditions. The solution is free of unconjugated APC/Cy7 and unconjugated antibody.

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Concentration:** Lot-specific

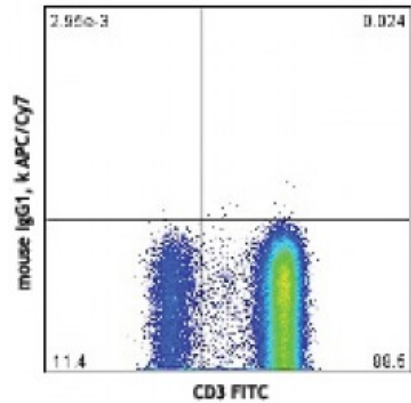


PMA + ionomycin-stimulated (6 hours) human peripheral blood lymphocytes surface stained with CD3 FITC and then intracellularly stained with BL168 APC/Cy7 (top) or mouse IgG1, κ APC/Cy7 isotype control (bottom)

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 microL to 5 microL per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



**Application References:** 1. Chow IT, *et al.* 2014. *PLoS One.* 9:112882. [PubMed](#)

**Description:** IL-17A is the founding member of the IL-17 family, a group of six structurally related pro-inflammatory cytokines. IL-17A, secreted by activated CD4<sup>+</sup> Th17 cell subpopulation, elicits multiple biological activities on a variety of cells including: the induction of IL-6, IL-8, G-CSF, and PGE2 production in epithelial, endothelial or fibroblasts; the enhancement of surface expression of ICAM-1 in fibroblasts; activation of NF-κB and costimulation of T cell proliferation. Recent studies demonstrated that, in mice, activated IL-17-secreting CD4<sup>+</sup> helper T cells (Th17 cells) mediate an autoimmune arthritis that clinically and immunologically resembles rheumatoid arthritis (RA). Human IL-17A shows 63%, 63%, and 72% amino acid sequence identity to rat IL-17A, mouse IL-17A, and a protein encoded by the ORF13 gene of herpesvirus Saimiri (HVS), respectively.

- Antigen**
- References:**
1. Hirota K, *et al.* 2007. *J. Exp. Med.* 204:41.
  2. Furuzawa-Carballeda J, *et al.* 2007. *Autoimmun. Rev.* 6:169.
  3. Witowski J, *et al.* 2007. *Kidney Int.* 71:514.
  4. Gaffen SL, *et al.*